

IN THE CLAIMS:

*Please AMEND the claims to read as set forth in the following listing of claims.*

1-22. Cancelled.

23. (new) A process for preparing an oil-in-water-emulsion having a composition including, in an amount sufficient to stabilize the emulsion, a collagen-like recombinant peptide, the collagen-like recombinant peptide comprising at least one GXY domain having a length of at least 5 consecutive GXY triplets, wherein X and Y each represents an amino acid, and wherein at least 20% of the amino acids of said recombinant collagen-like peptide are present in the form of consecutive GXY triplets.

24. (new) A process for preparing an oil-in-water emulsion according to claim 23 further comprising combining the oil-in-water emulsion with one or more nutritionally suitable ingredients to provide a foodstuff.

25. (new) A process for preparing an oil-in-water emulsion according to claim 23 further comprising combining the oil-in-water emulsion with one or more pharmaceutically suitable ingredients to provide a pharmaceutical product.

26. (new) A process for preparing an oil-in-water emulsion according to claim 23 further comprising combining the oil-in-water emulsion with one or more cosmetically suitable ingredients to provide a cosmetic product.

27. (new) Process according to claim 23, wherein said recombinant collagen-like peptide is free of helix-structure.

28. (new) Process according to claim 23, wherein said recombinant collagen-like peptide has an isoelectric point at least 0.5 pH units removed from the pH of said oil-in-water emulsion.

29. (new) Process according to claim 23, wherein said recombinant collagen-like peptide has an isoelectric point of 4 or 10 or anywhere between 4 and 10.

30. (new) Process according to claim 23, wherein said recombinant collagen-like peptide has a molecular weight of at least 2.5 kDa up to 100 kDa.

31. (new) Process according to claim 23, wherein said recombinant collagen-like peptide is homodisperse.

32. (new) Process according to claim 23, wherein said recombinant collagen-like peptide further comprises non-recombinant collagen in a ratio of 99%-20% on weight basis of recombinant collagen-like peptide on the total weight of collagen-like peptide.

33. (new) Process according to claim 23, wherein said recombinant collagen-like peptide exhibits an amphiphilic structure, with at least one part of the molecule being polar due to the presence of a sufficient number of polar amino acid residues to render that part polar and the other part being apolar due to the presence of a sufficient number of apolar amino acid residues to render that part apolar.

34. (new) Process according to claim 33, wherein the lengths of at least one polar part and of at least one apolar part are each at least 10% of the peptide backbone.

35. (new) Process according to claim 33, wherein the average transfer free energy per amino acid of at least one polar part is at least 0.3 kcal/mole lower than the average transfer free energy per amino acid of at least one apolar part.

36. (new) Process according to claims 23, wherein said oil-in-water emulsion exhibits a smaller initial droplet size than 500 nm at a temperature of 40°C or less and at pH=5.

37. (new) Process according to claim 36, wherein said oil-in-water emulsion exhibits a smaller increase in droplet size after 4 hours than 400 nm at a temperature of 40°C or less and at a pH=5.

38. (new) Process according to claim 23, wherein said recombinant collagen-like peptide is present in a concentration in the range from about 2 to about 100 g/l solvent.

39. (new) Process according to claim 23, wherein said recombinant collagen-like peptide exhibits viscosity in the range of 0,005-8 mP when dissolved at a concentration of 6.6% in water at a temperature of 40°C.

40. (new) Process according to claim 23, wherein said recombinant collagen-like peptide does not exhibit gelation at a temperature below 30°C.

41. (new) A foodstuff prepared by the method according to claim 24.

42. (new) A pharmaceutical product prepared by the method according to claim 25.

43. (new) A cosmetic product prepared by the method according to claim 26.

44. (new) In combination, an oil-in-water emulsion and a product ingredient, wherein the oil-in-water emulsion comprises a recombinant collagen-like peptide in an amount sufficient to act as a stabilizer of said emulsion and wherein said recombinant collagen-like peptide comprises at least one GXY domain having a length of at least 5 consecutive GXY triplets, wherein X and Y each represent an amino acid, and wherein at least 20% of the amino acids of said recombinant collagen-like peptide are present in the form of consecutive GXY triplets, and wherein the product ingredient comprises a nutritionally or pharmaceutically or cosmetically suitable ingredient.

45. (new) The combination according to claim 44, wherein said recombinant collagen-like peptide exhibits an amphiphilic structure, with at least one part of the molecule being polar due to the presence of a sufficient number of polar amino acid residues to render that part polar and the other part being apolar due to the presence of a sufficient number of apolar amino acid residues to render that part apolar.

46. (new) The combination according to claim 44, wherein said recombinant collagen-like peptide is present at a concentration in the range from about 2 to about 100 g/1 solvent.

47. (new) The combination according to claim 44, wherein said recombinant collagen-like peptide is free of hydroxyproline.

48. (new) The combination according to claim 44, wherein at least 5% of X and / or Y are proline.

49. (new) The combination according to claim 44, wherein between 10 and 33% of the amino acids of the GXY part of said recombinant collagen-like peptide are proline.